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(54) **Title:** ESTIMATION OF CLINICAL CUT-OFFS

(57) **Abstract:** Methods and systems for improving the accuracy of predicting resistance of a disease to a drug are described. More specifically, methods for assessing the impact of pre-existing variations in drug susceptibility, whether naturally occurring or selected by previous drug exposure, on treatment response in order to establish clinically relevant cut-off values for phenotypic or genotypic resistance tests are described.



WO 2005/086061 A2